

Robot Mount "iCAT mini" Torch necks ABIROB® G



Technical data (EN 60 974-7):

ABIROB® G350

Type of cooling:	air cooled
Rating:	350 A CO ₂ 300 A Mixed gases M21 ¹
Duty cycle:	100 %
Wire-Ø:	0.8-1.4 mm
Torch geometries:	30°/35°/45°

ABIROB® G360

Type of cooling:	air cooled
Rating:	360 A CO ₂ 290 A Mixed gases M21 ¹
Duty cycle:	100 %
Wire-Ø:	0.8-1.6 mm
Torch geometries:	22°/35°/45°

ABIROB® G500²

Type of cooling:	air cooled
Rating:	500 A CO ₂ 400 A Mixed gases M21 ¹
Duty cycle:	100 %
Wire-Ø:	0.8-1.6 mm
Torch geometries:	22°/35°/45°

¹ Mixed gases M21 as per DIN EN ISO 14175

² **Note:** The maximum performance data of the cable assembly are 360 A CO₂ and 350 A Mixed gases M21 (DIN EN ISO 14175).



Robot Mount „iCAT mini“

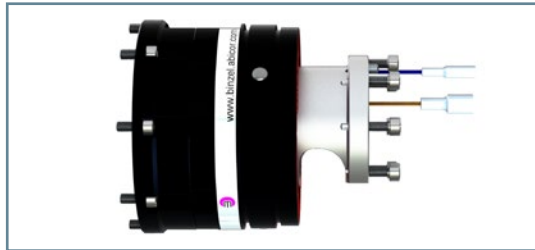
Order numbers & technical details

Torch necks

Torch type	Part-No.			
	22°	30°	35°	45°
ABIROB® G350	-	980.0190.1	980.0185.1	980.0203.1
ABIROB® G360	980.0215.1	-	980.0222.1	980.0216.1
ABIROB® G500	980.0208.1	-	980.0223.1	980.0209.1

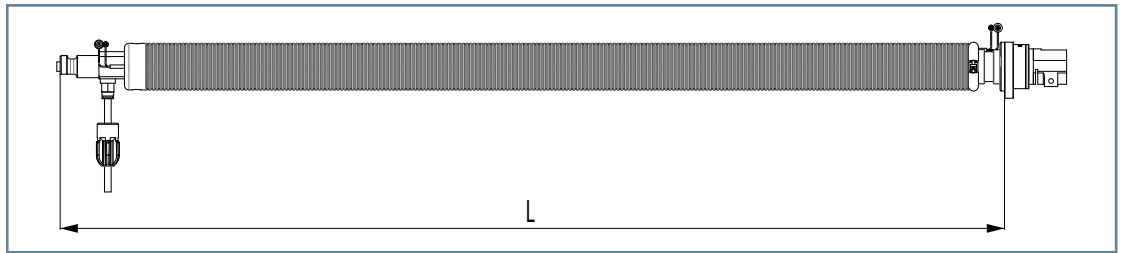
Please note: The respective wearing parts can be found in the current ROBO catalogue. Further torch necks on request.

Robot mount iCAT mini



Description	Part-No.
Robot mount iCAT mini for all torch types incl. fixing materials and protective covers (without robot flange)	780.3181.1

Cable assemblies



Cable assembly cpl. (with RPC or PANASONIC® connection)¹

Description	Feed type	Length ²	Part-No.
MOTOMAN® MA1440 T50	MOTOWELD®	L=0.84 m	980.2412.1
MOTOMAN® MA2010 T50	MOTOWELD®	L=1.26 m	980.2413.1

Configuration	Cooling	Rating (at 100% DC)	suitable for torch type			optionally wire brake available
			ABIROB®			
			G350	G360	G500	
BIKOX® T50	air cooled	360 A CO ₂ 340 A Mixed gases M21 ³	✓	✓	✓	yes

Adapter flanges, liners and spare parts



Adapter flanges (shown on the left)⁴

Type	Description	Part-No.
Adapter flange for YASKAWA®	MA1440 / 2010	780.3509.1
Adapter flange for YASKAWA®	MA1400 / 1900	780.3516.1
Adapter flange for ABB®	IRB 1520iD	780.3515.1
Adapter flange for FANUC®	100 / 120 iC	780.3509.1

Liners and spare parts (not shown)

Type	Part-No.
Liner	124.0165
Protective cap	780.3185.1
Boot	780.3183.1
Cover ring	780.3184.1
Sealing ring	780.3182.1
Signal board set cpl. (comprising signal board, control cable, cover ring and attachment screws)	780.3190.1

¹ **Note:** The passage of the sixth axis on the hollow-shaft robot must be at least 45 mm.

² Further lengths on request.

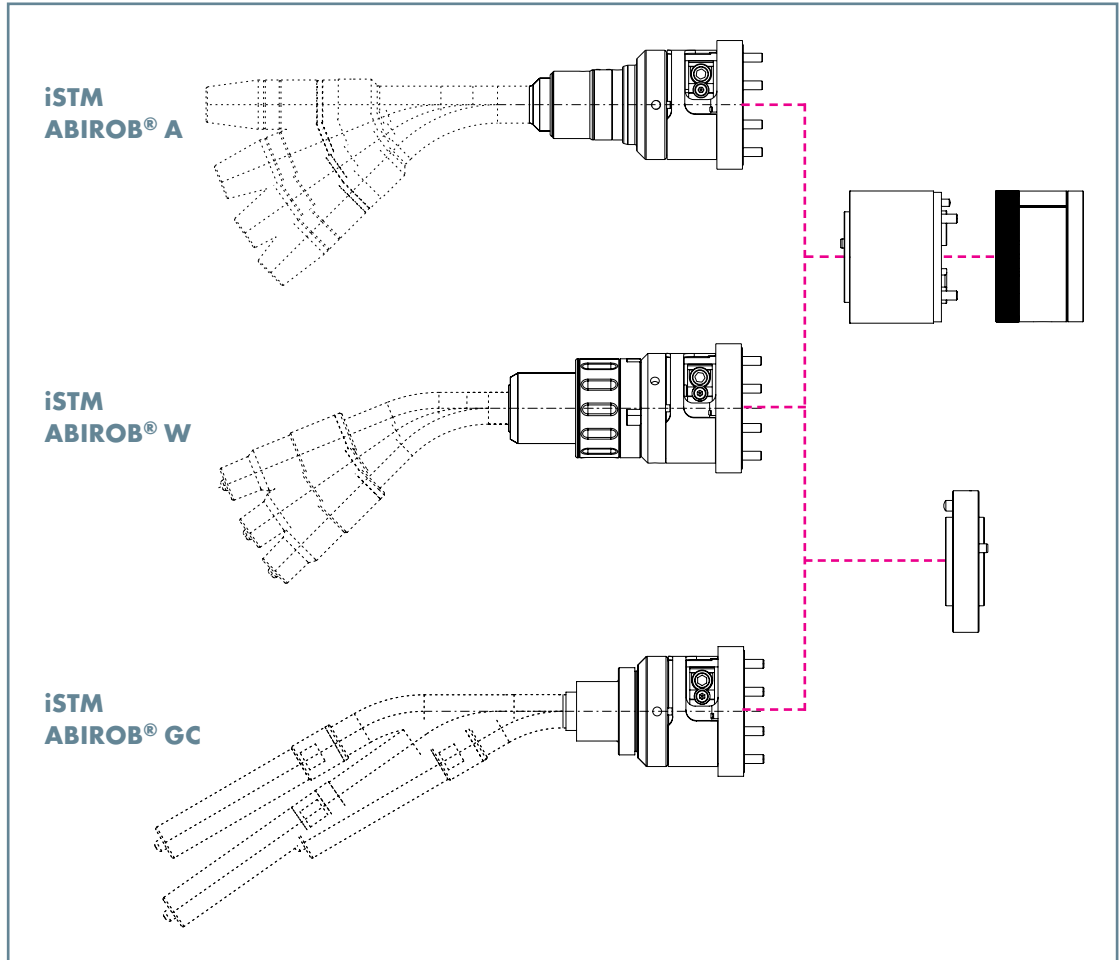
³ Mixed gases M21 as per DIN EN ISO 14175

⁴ Adapter flanges for other welding robots on request. Please indicate the robot type.

Robot Mount "iSTM"

Robot Mount & Adaptor Flanges

Robot mount iSTM



Description	Part-No.
Robot mount iSTM ABIROB® A cpl.	780.3200.1
Robot mount iSTM ABIROB® W cpl.	780.3210.1
Robot mount iSTM ABIROB® GC cpl.	780.3230.1

Please note: The corresponding torch necks can be found in the respective chapters from page 7.

Adaptor flanges



Type	Description	Part-No.
1 Adaptor flange for ABB®	ABB® IRB 1600 ID	780.0678.1
2 Corrugated hose clamp	ABB® IRB 1600 ID	400.1194.1
3 Adaptor flange for Fanuc®	Fanuc® Arc Mate iC Series	780.0680.1
4 Adaptor flange with integrated hose clamp	Fanuc® Arc Mate iC Series	780.3220.1

Adaptor flanges for other welding robots on request. Please indicate the robot type.

Robot Mount “iSTM” Liners & Accessories

Liners

Type	for connection type ¹	Wire-Ø ²	up to L=2.0 m
Liner steel	ABICOR BINZEL® Euro central connection	Ø 1.0-1.2	124.0145.1
Liner steel	Fronius®	Ø 1.0-1.2	124.0174
Liner steel	OTC®	Ø 1.0-1.2	124.0165
Liner steel	Panasonic®	Ø 1.0-1.2	124.0163.1

¹ Liners for further connection types are available on request.

² Steel wire

Accessories



Description	Part-No.
1 Insertion aid (for straightforward cable assembly attachment)	980.2030
not ill. Protective tube (length specification required)	109.0074
not ill. Corrugated hose end piece NW36	500.0453